

PATENT APPLICATION

Page 1 of 1

FORM PTO-1449	ATTY. DKT NO.	1-100-DIV	SER. NO.	10/716 606
	APPLICANT	HIMI et al.		
	FILING DATE	Nov. 20, 2003	GROUP	2813

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS


EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
TSP	5,742,093	Apr. 21, 1998	Kunihiro	—	—
↑	5,141,879	Aug. 25, 1992	Goronkin et al.	—	—
↑	4,376,138	Mar. 8, 1983	Alferness et al.	—	—
↑	4,469,527	Sep. 4, 1984	Sugano et al.	—	—
↓	5,930,642	Jul. 27, 1999	Moore et al.	—	—
TSP	5,961,713	Oct. 5, 1999	Wijaranakula	—	—

FOREIGN PATENT DOCUMENTS

TRANSLATION

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO
TSP	63-29937	2/88	JAPAN				X	
↑	64-11316	1/89	JAPAN				X	
↑	1-290229	11/89	JAPAN				X	
↑	3-181115	8/91	JAPAN				X	
↑	5-235007	9/93	JAPAN				X	
↑	6-283693	10/94	JAPAN				X	
↓	63-29937	2/88	JAPAN				X	
TSP	56-164547	12/81	JAPAN				X	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER		DATE CONSIDERED 11/28/03

FORM PTO-1449	ATTY. DKT NO.	01-100-DIV	SER. NO.	10/716,606
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REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS


EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
TSY	4,401,506	Aug. 30, 1983	Otsuka		
↓	5,021,361	June 4, 2001	Kinoshita		
↓	5,144,377	Sep. 1, 1992	Barnett et al.		
↓	5,115,283	May 19, 1992	Blondeau et al.		
↓	4,459,159	July 10, 1984	O'Mara		
TSY	4,834,809	May 30, 1989	Kakihara		

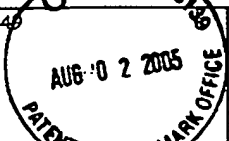
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	TRANSLATION	
								NO	English Abstract
TSY	JP-A-2-237033	9/19/90	JAPAN						X
TSY	JP-A-6-338507	6/12/94	JAPAN						X

* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office)
English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER		DATE CONSIDERED 6/28/05

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
TSJ	5,939,770	08/17/99	Kageyama		
TSJ	5,734,195	03/31/98	Takizawa et al.		

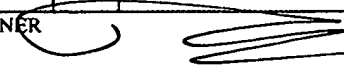
FOREIGN PATENT DOCUMENTS

TRANSLATION

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO	
								Eng. Abstract	
TSJ	EP 0 352 801	01/31/90	Europe						
I	EP 0 697 713	02/21/96	Europe						
	JP-A-3-84931	04/10/91	Japan						X
✓	JP-A-4-79372	03/12/92	Japan						X
TSJ	JP-A-59-188925	10/26/84	Japan						X

* Full English text is available in machine-translated form in JPO (Japanese Patent Office) English language web site at <http://www1.jpdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

Communication from European Patent Office dated June 17, 2005.	
EXAMINER 	DATE CONSIDERED 11/28/05